

2010 Governor's Award for Pollution Prevention

Fujifilm Dimatix Inc., Lebanon

Fujifilm Dimatix of Lebanon employs approximately 200 people and is the world's leading provider of ink jet print-heads for commercial and industrial printing. Dimatix received the Governor's Pollution Prevention Award for making an innovative process change that eliminated the use of isopropyl alcohol. It also installed new capacitors and switched to special lubricant for its compressors, reducing energy consumption and extending the life of the motors.



From Left to Right: Governor John Lynch; Rick Lamont, Environmental Health and Safety Manager; Ed Chrusciel, Marketing Director; NHDES Commissioner Thomas Burack.

Implementation of these initiatives resulted in:

- Elimination of over 2,100 gallons/year of isopropyl alcohol.
- Energy reductions of over 1 million kilowatt hours, which is equivalent to removing 792 tons of CO₂ from the atmosphere and a cost savings of \$88,000 per year.

In addition, Dimatix has worked with its supply chain to ensure that pollutants such as lead, mercury, cadmium, hexavalent chromium and hazardous fire retardants have been eliminated from its products. Dimatix has an extensive recycling program for its facility as well. In the past year it recycled: 10 tons of paper, 2 tons of plastic, 1 ton of aluminum and tin, 5 tons of glass and 10 tons of cardboard.

Dimatix is a company that is dedicated to its pollution prevention efforts and continues to focus on innovative ways to be more energy efficient, use fewer raw materials and create less waste.

Wire Belt Company of America, Londonderry

Wire Belt Company of America is family-owned and operated and employs approximately 94 people. It manufactures hygienic wire belt conveying systems and conveyor belts for the candy and food processing industry. Wire Belt is receiving the Governor's Pollution Prevention Award for its Energy Reduction Projects, Environmental Management System and its work with the Department of Environmental Services Aspiring Leadership Initiative.

To earn this award, Wire Belt has:

- Installed a 100 kilowatt Solar Photovoltaic Array. This system produces 109,000 kWh (approximately 25 percent of demand), reduces CO₂ emissions by 173,000 pounds and saves the company \$14,000 annually. It also installed two solar collector



From Left to Right: Governor John Lynch; Jamie Card, Marketing Specialist; Basil Panos, Facility/Compliance Manager; and NHDES Commissioner Thomas Burack.

systems to meet its hot water needs.

- Completed lighting retrofits, HVAC replacements, and a compressor upgrade that allows the company to use the waste heat to help heat the facility.
- In 2009, reduced CO₂ emissions by 1.5 million pounds; saved over 800,000 kWh and \$73,000 in costs.
- Established recycling programs that reduce raw material consumption and wire scrap waste and developed a reuse program that requires vendors to reuse all depleted wire reels. This resulted in an annual reduction of over 428,000 pounds of waste.

In 2008, Wire Belt joined the Department of Environmental Services Aspiring Leadership Initiative. The company set three environmental goals and worked with DES to attain those goals.

The program resulted in

- A reduction of over 142,000 sheets of copy paper.
- A 12.5 percent reduction in energy usage.
- Elimination of 1,000 pounds of fertilizer, emissions associated with lawn care and maintenance costs of over \$4,000 per year.

Wire Belt has made a commitment to environmental stewardship, which is evident in the long list of projects it has implemented. Since the inception of these initiatives, all part of their Environmental Management System, Wire Belt has realized a savings of \$664,000.

Honorable Mention

Osram Sylvania Inc., Manchester

Osram Sylvania Inc. produces metal halide, ceramic metal halide and sodium high pressure discharge lamps in its Manchester facility.

Sylvania implemented strategies to reduce energy use, hydrogen consumption and hazardous waste. It also eliminated the use of lead and reduced its solid waste by reuse and recycling.

As a result of its efforts, Sylvania was able to:

- Reduce annual energy demand by 2.1 million kWh.
- Reduce hydrogen use by 3 million cubic feet annually by reducing the size of the bulk storage tank.
- Reduce barium by 40 percent, used oil and mercury debris by 75 percent.
- Recycle 77 percent of its solid waste.
- Save over \$1 million by implementing a reuse policy for boxes.

In addition, Sylvania's sustainability recently achieved a 4 out of 5 star rating when audited by a third party verification consultant.



Mark Lukkarinen, Engineering Manager and NHDES Commissioner, Thomas Burack.

Southeastern Container Inc., Hudson

Southeastern Container (SEC) is a high-volume manufacturer of plastic containers for the Coca-Cola bottling system and is a past recipient of multiple Governor's Pollution Prevention Awards.

This year SEC is receiving an award for further reducing the amount of plastic content in its bottles and reducing its freight packaging and transportation impact. SEC has switched to reusable shipping bins to eliminate cardboard waste and by using an ultrasonic leak detection system repaired wasteful leaks in their compressors. The company also hosted the 1st annual SEC Green Conference for nine other SEC plants to share its sustainable initiatives.

For its efforts, SEC:

- Reduced its use of plastic by 48,000 pounds.
- Reduced its freight CO₂ emissions by 60 metric tons and by switching to teleconferencing in place of travel, further reduced emissions by 4.3 metric tons.
- Eliminated 271,000 pounds of cardboard.
- Saved over \$ 380,000 annually.

SEC has put forth a great effort to reduce its impact on the planet and has chosen as part of that mission to educate the other SEC plants, encouraging them to examine their operations and make changes that lead to a more sustainable future. Two of the plants that participated in SEC's Green Conference have won their own state's Governor's Pollution Prevention Awards for their initiatives.



From left to right: John Fischer, General Manager; NHDES Commissioner Thomas Burack; Jamie Lawrence, Administrative Assistant and Corporate Sustainability Team Member; Shari Walton, Administrative Coordinator; Robert Gaudet, Quality Assurance Manager; Steven Rodonis, Maintenance Team Coach; Joel Morales-Lynch, Quality Assurance Technician.